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SUBJECT: CTF MISSIONS USING SO-242 COLOR

1. IN ORDER TO CLARIFY AND REDEFINE AGREED UPON RESPONSIBILITIES, REQUIREMENTS AND PROCEDURES APPLICABLE TO COLOR TASK FORCE (CTF) RESEARCH CONDUCTED WITHIN THE RED DOT PROGRAM, THE FOLLOWING INFORMATION IS DISSEMINATED.

2. THE CTF/RED DOT PROGRAM IS CONDUCTED AS A MATTER OF JOINT COMMUNITY INTEREST TO TEST AND EVALUATE THE UTILITY OF SO-242 FOR HIGH RESOLUTION COLOR ACQUISITIONS AS RELATED TO PHOTO INTELLIGENCE. THE PROGRAM EMPLOYS A HIGH ALTITUDE RECONNAISSANCE PLATFORM AND THE DELTA III CAMERA CONFIGURATION TO ACQUIRE A VARIETY OF TARGET TYPES WITHIN THE ZI. THERE ARE APPROXIMATELY 130 SPECIFIC TARGETS WITHIN THE PROGRAM. FUTURE MESSAGES WILL REFER TO THIS PROGRAM WITH A CTF/RED DOT SLUG LINE.

3. THERE HAVE BEEN EIGHT CTF/RED DOT MISSIONS TO DATE.

GT69-408 04 NOV 69

GT69-437 14 NOV 69

GT69-462 03 DEC 69

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GT69-474 17 DEC 69

GT69-480 23 DEC 69

GT70-019 23 JAN 70

GT70-027 29 JAN 70

GT70-036 05 FEB 70

4. [] HAS PREPARED A LIST OF THE TARGETS AND HAS INDEXED THE ABOVE MISSIONS. APPROXIMATELY 48 OF THE TARGETS COVERED. SOME TARGETS WILL REQUIRE BOTH SUMMER AND WINTER COVERAGE AND OTHERS WILL REQUIRE ONE-TIME COVERAGE ONLY. FOUR LISTS WILL BE DISSEMINATED TO ADDRESSEES.

LIST A. THE CTF LIST OF TARGETS: THIS LIST WILL ARRANGE THE TARGETS IN GENERAL GEOGRAPHIC GROUPINGS TO FACILITATE FLIGHT PLANNING.

LIST B. CTF TARGETS ADEQUATELY COVERED.

LIST C. CTF TARGETS REQUIRING MAY THRU SEPT COVERAGE.

LIST D. CTF TARGETS REQUIRING OCT THRU APR COVERAGE.

THE LISTS CONSIST OF AN 80 COLUMN PRINTOUT CONTAINING THE INFORMATION:

COLUMNS INFORMATION

01 - 38 TARGET NAME

40 - 54 GEOGRAPHIC COORDINATES

60 - 67 TARGET NUMBER OR ELEVATION ABOVE SEA LEVEL IN FEET

DISTRIBUTION		
CY	OFFICE	PI
1	FILE	
	1007.D	
	SECUR.	
3.4	TSS/APS D	
	PSC/OC	
	RRD	
	REURO	
	AID	
	IEG	
	FOLLOWING OD	
	SCIEH	
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	EAST	
	MAS	
	IEG/PHD	
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	DIA-XX4	
	SPAD	
	DTA-AP	
	CMX	

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ADVANCE CY
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WITH TEXT

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72 - 76 BLANK OR DIAMETER OR TARGET IN FEET.

78 - 79 COVERAGE REQUIRED: S - SUMMER, W - WINTER.
WHEN COLUMNS ARE BLANK, EITHER SUMMER OR
WINTER COVERAGE WILL SUFFICE.

80 TARGET PRIORITY.

5. IN ADDITION TO THE ABOVE LISTS, [] IS PREPARING A CROSS-INDEXED MISSION COVERAGE STATISTICS PUBLICATION THAT WILL CONTAIN INFORMATION PERTINENT TO THE FIRST EIGHT MISSIONS, THIS PUBLICATION WILL BE UPDATED AFTER SUBSEQUENT CTF/RED DOT MISSIONS AND DISTRIBUTED TO ALL ADDRESSEES. IT WILL CONTAIN:

A. A MAP SHOWING THE LOCATION OF ALL CTF TARGETS IDENTIFIED BY TARGET NUMBER.

B. A CUMULATIVE COVERAGE PLOT OF ALL PHOTOGRAPHY ACQUIRED.

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- C. AN INDIVIDUAL PLOT OF EACH MISSION.
- D. A LISTING OF THE PHOTOGRAPHIC COVERAGE BY TARGET NAME AND THE MISSION, FRAME AND X - Y COORDINATES INDICATING THE LOCATION OF THE TARGET IN THE FRAME.
- E. A LISTING OF THE PHOTOGRAPHIC COVERAGE BY MISSION NUMBER AND TARGET NAME.
- F. A LISTING OF THE PHOTOGRAPHIC COVERAGE BY TARGET NUMBER

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AND THE MISSIONS THAT INCLUDE THE TARGET.

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6. CERTAIN PARAMETERS HAVE BEEN ESTABLISHED FOR THE ACQUISITION OF CTF TARGETS IN THIS PROGRAM:

- A. TARGET AREA MUST BE 75 PERCENT CLOUD FREE.
- B. TARGET AREA MAY HAVE LIGHT SNOW COVER WHERE WINTER COVERAGE IS SPECIFIED.
- C. CORN MOBILE TARGETS ARE DESIRED WHEN AVAILABLE. MISSIONS SHOULD NOT BE ABORTED IF CORN TARGETS ARE NOT AVAILABLE. OVERFLYING FIXED RESOLUTION TARGETS WOULD BE HELPFUL IN THE ABSENCE OF CORN TARGETS.

D. SOLAR ELEVATIONS ABOVE 25 DEGREES WILL BE REQUIRED UNLESS SPECIAL LOW SOLAR ELEVATIONS ARE REQUESTED ON SPECIFIC TARGETS BY SEPARATE CABLE. A 15 DEGREE ELEVATION WILL BE PERMISSIBLE FOR WINTER COVERAGE IN THE NORTHERN LATITUDES.

E. WHERE PRACTICAL, GROUND TRACK AZIMUTH OF THE VEHICLE SHOULD BE BETWEEN 170 AND 250 DEGREES WITH THE OPTIMUM HEADING BEING 210 DEGREES. RECIPROCAL HEADINGS WOULD BE THE SECOND CHOICE RATHER THAN EAST-WEST HEADING.

F. VERTICAL COVERAGE NOT MANDATORY. TARGETS MUST BE WITHIN 5 MILES OF GROUND TRACK.

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G. REPETITIVE COVERAGE, EXCEPT TO SATISFY SEASONAL REQUIREMENTS NOT REQUIRED UNLESS SPECIFICALLY REQUESTED BY SEPARATE CABLE.

7. FOR []
A. PROVIDE [] - DETAILED SORTIE REPORT; [] - PROCESSING ADVISORY: AND, [] - CONFIGURATION REPORT TO INTERESTED AGENCIES.

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B. IF A MISSION COVERS FIVE OR FEWER TARGETS OR CONSUMES LESS THAN 2000 FEET OF FWD OR AFT FILM, THE MATERIAL MAY BE HELD UNTIL SUFFICIENT QUANTITY HAS BEEN ACCUMULATED BEFORE SHIPPING TO []

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C. STEREO COVERAGE REQUIRED OF ALL TARGETS. IF ONE CAMERA MALFUNCTIONS IT CAN BE ASSUMED THAT TARGETS ARE NOT COVERED. IF SUCH A MALFUNCTION IS DETECTED [] TARGETS COULD BE RESCHEDULED.

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8. []
A. FILM REPRODUCTION REQUIREMENTS IN SUPPORT OF CTF/RED DOT MISSIONS.

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CUSTOMER	COPIES	REQUIREMENT
A	1	CONTACT INTERNEG - 7271
	2	SO-360 DP FROM SO-242

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1 QC STRIP PROCESSED WITH SO-242
AND 7271

2 2430 DP FROM 3404 B/W ORIGINAL

B 2 SO-360 DP FROM SO-242

2 2430 DP FROM 3404 DP

G,H,Y,L 1 SO-360 DP FROM SO-242

1 2430 DP FROM 3404

B. THE 100 PERCENT CLOUD COVERED FRAMES SHOULD BE EDITED.
JUDGMENT ACCEPTABLE.

C. CLASSIFICATION IS SECRET, [REDACTED]

D. UNIVERSAL GRID FRISKITS (DELTA III) WILL BE INCLUDED AS
PART OF HEAD IDENT ON ALL PARTS.

E. RETAIN SO-242 UNTIL IN-HOUSE REQUIREMENTS ARE SATISFIED.

F. FORWARD FLIGHT DATA SHEETS AND FLIGHT GROUND TRACKS TO
[REDACTED] WITH FIRST SHIPMENT.

G. DO NOT REPORT ON TARGET COVERAGE.

H. ARRANGE CORN TARGET SUPPORT AND RECOMMEND EXPOSURE SETTINGS.

I. PROVIDE [REDACTED] - FILM EVALUATION REPORT, AND
[REDACTED] - FIRM PICK UP TIME TO INTERESTED AGENCIES.

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9. [REDACTED] WILL INDEX SUBSEQUENT MISSIONS UPON RECEIPT AND
ADVISE INTERESTED AGENCIES BY TWX OF TARGETS CONSIDERED ADEQUATELY
COVERED.

10. FLIGHT PLANNING AND SCHEDULING TO COMMENCE AT THE DISCRETION
OF [REDACTED] ON RECEIPT OF THIS TWX AND THE TARGET LIST. THE TARGET LIST
IS BEING DISSEMINATED TO ACTION ADDRESSES UNDER SEPARATE COVER. GP-1

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